

Titration Pre-Lab

1. What is a titration?
2. What three pieces of glassware are commonly used in a titration?
3. When using a burette:
 - a) How is the flow of liquid controlled?
 - b) Why is it important to read the burette and record the volume before you begin your titration?
 - c) How many decimal places can be included in your burette reading?
4. Why is an indicator added to the acid solution during a titration?
5. At the end point of the titration, what do you know about the moles of acid that have reacted with the moles of base?
6. Why is it important to swirl the flask, as you titrate?
7. During a titration, 20 mL of 0.50 M HCl was neutralized by 18 mL (average volume after three trials) of an NaOH solution. What is the concentration of the NaOH solution in mol/L?